

CLAIMS

1 1. A portable-card-unit processing apparatus for
2 processing data in a storage section (17a) of a card unit
3 (17) when the card unit (17) is attached to said apparatus,
4 comprising:
5 a first communicating section (23, 243) for
6 communicating with the card unit (17);
7 a connecting section (14) for being detachably
8 connected to an external apparatus (15);
9 a second communicating section (24, 244) for
10 communicating with the external apparatus (15) through said
11 connecting section (14);
12 a display section (13) for displaying at least data
13 read out from the storage unit (17a) of the card unit (17)
14 through said first communicating unit (23, 243); and
15 a control section (20) for controlling said first
16 dedicated communicating unit (23, 243) and said second
17 communicating section (24, 244) so as to transfer data
18 between the card unit (17) and the external apparatus (15)
19 while the external apparatus (15) is connected to said
20 connecting section (14), and controlling said first
21 dedicated communicating section (23, 243) and said display
22 section (13) as to read out data from the storage section
23 (17a) of the card unit (17) and to display the read-out
24 data on said display section (13) while the external
25 apparatus (15) is disconnected from said connecting section

26 (14).

1 2. The portable-card-unit processing apparatus
2 according to claim 1, wherein said control section (20)
3 includes a connection determining section (244) for
4 determining, based on a connection information
5 signal from said connecting section (14), whether the
6 external apparatus (15) is connected to said connecting
7 section (14).

1 3. The portable-card-unit processing apparatus
2 according to claim 1 or 2, wherein, when the card unit
3 (17) containing electronic money in the storage section
4 (17a) is attached to said apparatus while the external
5 apparatus (15) is disconnected from said connecting
6 section (14), said control section (20) controls said
7 first communicating section (23, 243) and said display
8 section (13) so as to read balance information on said
9 electronic money from the storage section (17a) of the
10 card unit (17) and to display said balance information
11 on said display section (13).

1 4. The portable-card-unit processing apparatus
2 according to any one of claims 1 to 3, further comprising
3 a save storage section (30) for holding at least part
4 of information that are stored in the storage section
5 (17a) of the card unit (17),

6 said control section (20) being operable, when
7 the card unit (17) is attached to said apparatus while
8 the external apparatus (15) is disconnected from said
9 connecting section (14), said first communicating
10 section (23, 243) as to read said at least part of
11 information from the storage section (17a) of the card
12 unit (17) and to store said at least part of information
13 into said save storage section (30).

1 5. The portable-card-unit processing apparatus
2 according to claim 4, wherein, when the card unit (17)
3 is attached to said apparatus while the external
4 apparatus (15) is connected to said connecting section
5 (14), said control section (20) controls said second
6 communicating section (24, 244) as to transfer said
7 at least part of information, which is stored in said
8 save storage section (30), to the external apparatus
9 (15).

1 6. The portable-card-unit processing apparatus
2 according to claim 5, wherein, upon receipt of a request
3 from the external apparatus (15) for transfer of said
4 at least part of information, said control section (20)
5 controls said second communicating section (24, 244)
6 as to transfer said at least part of information, which
7 is stored in said save storage section (30), to the
8 external apparatus (15).

1 7. The portable-card-unit processing apparatus
2 according to any one of claims 4 to 6, wherein when
3 said card unit (17) storing electronic money defined
4 as an electronic symbol of currency in said storage
5 section (17a) is attached, transaction information on
6 said electronic money is read out from said storage
7 section (17a) and stored as said at least part of
8 information in said save storage section (30).

1 8. The portable-card-unit processing apparatus
2 according to any one of claims 4 to 7, wherein said
3 save storage section (30) is a non-volatile memory.